

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A radio communication system, comprising:

a first radio communication apparatus in which first information for identification of a radio network and second information regarding the security are set in advance as communication information necessary for communication through said radio network, said first radio communication apparatus including a switch; and

a second radio communication apparatus configured to communicate with said first radio communication apparatus by radio communication through said radio network;

said second radio communication apparatus configured to transmit request information for requesting for transmission of the communication information to said first radio communication apparatus by radio communication;

said first radio communication apparatus configured to transmit the first and second information as a response to the request information transmitted thereto from said second radio communication apparatus when said switch is actuated for less than a predetermined period of time, and said first radio communication apparatus is configured to transmit the first and second information to the second radio communication apparatus without receiving the request information when said switch is actuated for more than the predetermined period of time;

said second radio communication apparatus configured to set the first and second information transmitted thereto from said first radio communication apparatus as the communication information;

said first and second radio communication apparatuses configured to utilize the communication information individually set therein to communicate with each other by radio communication.

Claim 2 (Currently Amended): A radio communication method for a radio communication system which includes a first radio communication apparatus in which first information for identification of a radio network and second information regarding the security are set in advance as communication information necessary for communication through said radio network and a second radio communication apparatus operable for communicating with said first radio communication apparatus by radio communication through said radio network, comprising:

transmitting the first and second information from said first radio communication apparatus to the second radio communication apparatus without receiving request information when a switch of said first radio communication apparatus is actuated for more than a predetermined period of time;

transmitting by said second radio communication apparatus request information for requesting for transmission of the communication information to said first radio communication apparatus by radio communication;

transmitting by said first ~~radio communication~~ ~~communication~~ apparatus the first and second information as a response to the request information transmitted thereto from said second radio communication apparatus when the switch is actuated for less than the predetermined period of time;

setting by the second radio communication apparatus the first and second information transmitted thereto from said first radio communication apparatus as the communication information; and

utilizing by said first and second radio communication apparatuses the communication information individually set therein to communicate with each other by radio communication.

Claim 3 (Currently Amended): A radio communication apparatus which communicates with a different radio communication apparatus by radio communication through a radio network, comprising:

switching means for selecting a first mode or a second mode;

setting means in which first information for identification of said radio network and second information regarding the security are set as communication information necessary for communication through said radio network; and

transmission control means for controlling, when request information for requesting for transmission of the communication information is received from said different radio communication apparatus by radio communication, transmission of the first and second information to said different radio communication apparatus as a response to the request information by radio communication in the first mode, and transmitting the first and second information from said radio communication apparatus to the different radio communication apparatus without receiving request information in the second mode.

Claim 4 (Previously Presented): The radio communication apparatus according to claim 3, wherein the request information is a probe request.

Claim 5 (Previously Presented): The radio communication apparatus according to claim 3, wherein a management frame is utilized for the transmission of the request information and the communication information.

Claim 6 (Previously Presented): The radio communication apparatus according to claim 3, wherein the first information is a Service Set Identification.

Claim 7 (Previously Presented): The radio communication apparatus according to claim 3, wherein the second information is a Wired Equivalent Privacy key.

Claim 8 (Previously Presented): The radio communication apparatus according to claim 3, further comprising encryption means for encrypting the communication information at least once, said transmission control means controlling the transmission of the communication information encrypted by said encryption means.

Claim 9 (Currently Amended): A radio communication method for a radio communication apparatus which communicates with a different radio communication apparatus by radio communication through a radio network, comprising:

selecting a first mode or a second mode;

controlling, when request information for requesting for transmission of communication information necessary for communication through said radio network is transmitted from said different radio communication apparatus to said radio communication apparatus by radio communication, transmission of first information for identification of said radio network and second information regarding the security set as communication information in said radio communication apparatus in advance by radio communication from said radio communication apparatus to said different radio communication apparatus as a response to the request information in the first mode, and transmitting the first and second information from said radio communication apparatus to the different radio communication apparatus without receiving request information in the second mode.

Claim 10 (Currently Amended): A computer readable medium including computer executable instructions, wherein the instructions, when executed by a processor, which

controls a radio communication apparatus which communicates with a different radio communication apparatus by radio communication through a radio network, cause the processor to execute a method comprising:

selecting a first mode or a second mode;

controlling, when request information for requesting for transmission of communication information necessary for communication through said radio network is transmitted from said different radio communication apparatus to said radio communication apparatus by radio communication, transmission of first information for identification of said radio network and second information regarding the security set as communication information in said radio communication apparatus in advance by radio communication from said radio communication apparatus to said different radio communication apparatus as a response to the request information in the first mode, and transmitting the first and second information from said radio communication apparatus to the different radio communication apparatus without receiving request information in the second mode.

Claims 11-20 (Canceled).